

## CLAIMS

1. A steam cooker, comprising:

a steam generator for generating steam;

5 a steam temperature-raising device for raising a temperature of steam coming from the steam generator;

a heating chamber provided with a ceiling steam outlet on its ceiling side, in which an object to be cooked is heated by steam supplied from the steam temperature-raising device via the ceiling steam outlet,

10 said steam temperature-raising device including:

a tray-shaped case having a recessed part which has a sidewall provided with a steam supply port through which steam from the steam generator enters the recessed part, the tray-shaped case being placed, with an opening of the recessed part directed downward, on the heating chamber at the ceiling steam outlet; and

15 a heater placed in the recess;

wherein a plurality of steam outlets for 20 supplying steam into the heating chamber sideways are provided in both of sidewalls of the recessed part of the tray-shaped case that adjoin the sidewall provided with the steam supply port and on the opposite side of the steam supply port.

2. The steam cooker according to claim 1, wherein  
the recessed part of the tray-shaped case has a  
planar shape that is roughly symmetrical with respect to a  
center line of steam flow entering through the steam supply  
port, and

the heater is placed in the recessed part of the  
tray-shaped case such that a planar shape of the heater is  
roughly symmetrical with respect to said center line.

10 3. The steam cooker according to claim 2, wherein  
a sidewall on the opposite side of the steam  
supply port of the recessed part of the tray-shaped case is  
inclined with respect to a plane roughly perpendicular to  
said center line.

15 4. The steam cooker according to claim 1, wherein  
the recessed part of the tray-shaped case has a  
planar shape that is a generally pentagonal shape having  
three sides forming a U-shape and two sides continuous with  
20 both ends of the U-shape of the three sides and forming a  
generally V-shape bent outward, and

the steam supply port is provided in a sidewall  
corresponding to a central one of the three sides forming  
the U-shape of the recessed part of the tray-shaped case.

5. The steam cooker according to claim 1, wherein  
the recessed part of the tray-shaped case has a  
planar shape having three sides forming a U-shape and an  
arc-shaped outer periphery that is continuous with both  
ends of the U-shape of the three sides and curves outward,  
and

the steam supply port is provided in a sidewall  
corresponding to a central one of the three sides forming  
the U-shape of the recessed part of the tray-shaped case.

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6. The steam cooker according to claim 1, wherein  
each of corners of the recessed part of the tray-  
shaped case has a curved surface so that adjacent sidewalls  
are smoothly continuous with each other.